

CHAPTER I

PRELIMINARY

1.1 Background

Semarang itself as the capital city of Central Java is the city is right in between two major cities in Java, Jakarta and Surabaya, the city has made in tourism and economic potential to be developed.

Semarang is a city that is on development in the fields of economy and tourism, for example the entry of investors-both local and foreign investors in developing projects of business and entertainment building.

More and more commercial building in sectors of tourism and economy has been built in the city of Semarang, demanding the increasing occupancy of land for the citizens of Semarang city itself. Undeniably the current availability of residential land in the middle of the city was limited, vacant land has been developed by commercial buildings and government. One of the best solution is to provide residential land vertically to accommodate the need for shelter that located in the middle of the city without wasting the available land.

In this project apartment building is focused in the middle of town with a purpose, namely Semarang city's "Simpang Lima" is currently in the development of a new urban area of the City Walk, which included a government building, buildings interconnected economy / business, and the entertainment center in the city of Semarang.

Seeing an opportunity open to the needs of residential land that is "Worth Living" for business people and executives who require ease in their

lives, High Rise Apartment Tower is expected to be the solutions that answer the problems of land occupancy in midtown.

1.2 Goals and Objectives Discussion

1.2.1 Objective

The purpose of designing High Rise Apartment Tower is to meet the need for shelter that "Worth Living", which can accommodate the needs of humans as social beings which requires shelter, employment, and entertainment. The points of attention here is the creation of a shelter in downtown that can accommodate and facilitate all forms of human needs which incidentally is a social being, needs work, entertainment, residential. Given a place to live that worth living which can accommodate and is expected to be in strategic locations all three human needs can be embodied in a centralized area. And the central area of the city of Semarang is a dense area, with many areas of entertainment and business, but much less residential area.

The ideas of designing High Rise Apartment Tower is to support and boost the economy and tourism in the city of Semarang, Semarang city is currently included in the development of urban planning, where the downtown areas made into City Walk area contained government buildings, the economy, and entertainment. It is expected that the apartments are capable of supporting the city of Semarang become more advanced and modern.

1.2.2 Goals

In general, apartment design aims to answer the needs of high class society, related to the nature of the residents in this high class society, the social and economic level will affect the design of an appropriate design with the character, desires, needs of the residents so there is comfort in the shelter.

Targets and objectives of the planning and design is the high education and high social-economic urban society group, tend to be individualistic, to the high class society the main priority is meeting the needs and privacy is more prominent than economic terms. it would be very influential in the design and the design of the apartment.

1.3 Scope of Discussion

1.3.1 Scope of Substantial

High Rise Apartment tower in Semarang is a building complex that included within the scope of commercial buildings that unites the functions of shelter, entertainment and economics functions into one centralized area.

1.3.2 Scope of Spasial

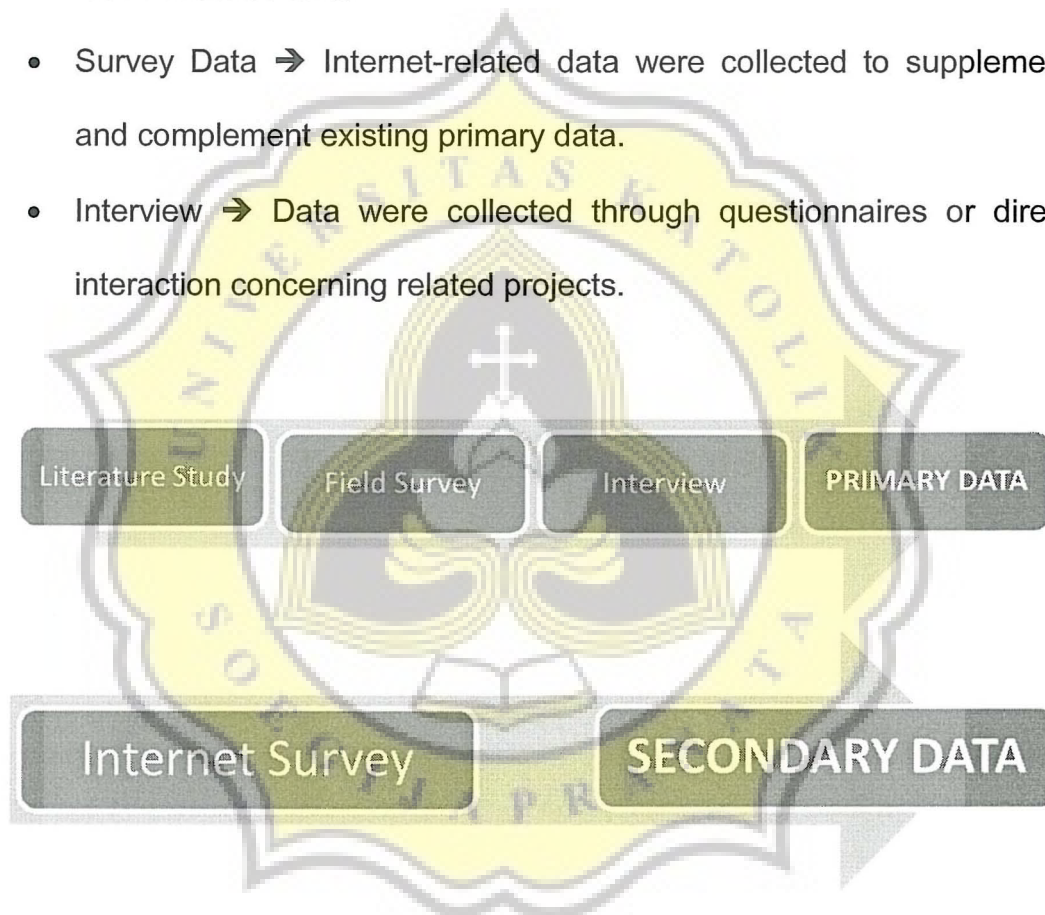
High Rise Apartment tower is a project aimed at Semarang and surrounding communities that included in the upper class society, who need easy, and practically in every aspect of his life. This project is expected to be a trend setter and a springboard for the city of Semarang in the problem of adequate shelter in the middle of the city in the development in economy and tourism area.

1.4 Discussion Methods

1.4.1 Data Collection Methods

Necessary data is obtained through several ways, including:

- literature study → Data collected from theory studies through the sources of references relevant books.
- Field Survey → data was collected by direct observation at the location concerned.
- Survey Data → Internet-related data were collected to supplement and complement existing primary data.
- Interview → Data were collected through questionnaires or direct interaction concerning related projects.

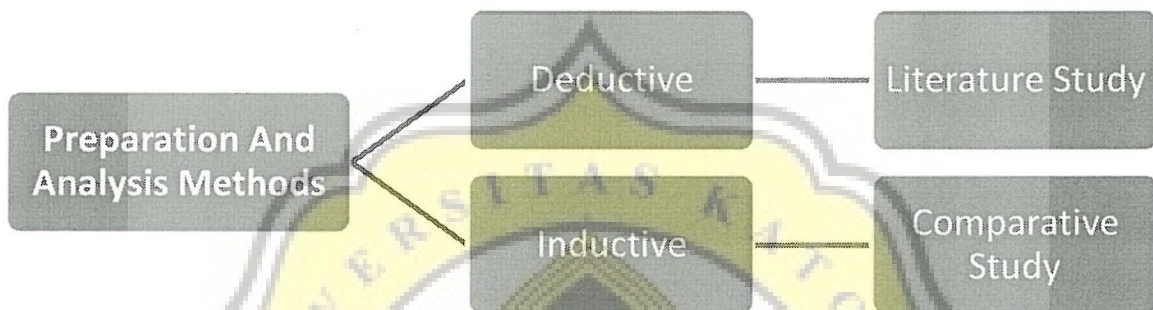


Picture 1.1 : Diagram of Data Collection Methods
Source : Personal Resume

1.4.2 Preparation and Analysis Methods

Preparation Method and analysis performed using deductive and inductive methods, namely:

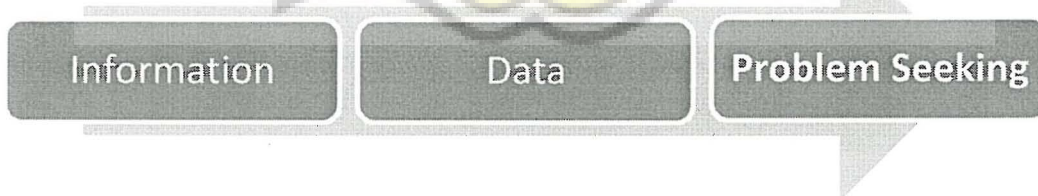
- Deductive → Do by searching the data concerning the high rise apartment and then analyzed in accordance with appropriate requirements related projects that is, facility, structure, and program design.
- Inductive → Performed by comparison to similar projects, so that the obtained sample and reference data related projects.



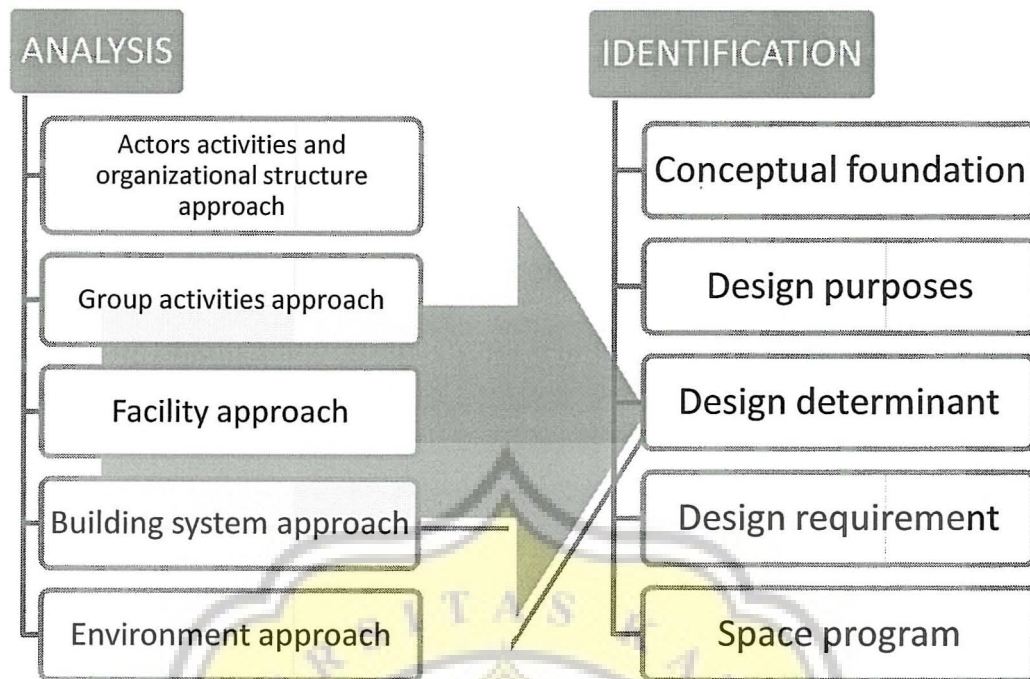
Picture 1.2 : Diagram of Preparation And Analysis Methods
Source : Personal Resume

1.4.3 Programming Methods

Programming is a stage of analysis where information and data required in accordance with related projects are selected, grouped and identified.



Picture 1.3 : Diagram of Problem Seeking
Source : Personal Resume



Picture 1.4 : Diagram of Programming Methods
Source : Personal Resume

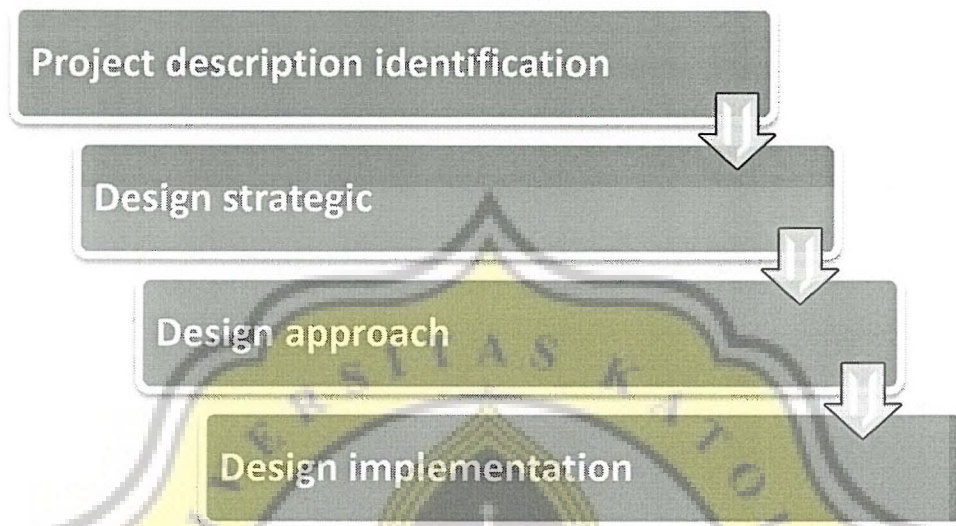
The Analysis results are then summarized into a building design that will be part of the design phase. This stage is problem solving of the problem seeking in the programming stage.



Picture 1.5 : Diagram of Problem Solving
Source : Personal Resume

1.4.4 Architectural Design Methods

Architectural design phase will appear after it completed the programming phase. The results form the basis for development programming design phase. Steps of design, namely :



Picture 1.6 : Diagram of Architectural Design Methods

Source : Personal Resume

- Identify project description includes the title, location, project area, the dominant issues, and design emphasis.
- Design strategies include zoning's area and building systems.
- Design approach through the study of shape, configuration order of mass in a vertical and horizontal way, and the concept of processing of visual elements of the building.

Implementation of building design through schematic design followed by design development stage.

1.5 Systematic Discussion

1.5.1 CHAPTER I. Preliminary

Contains the project background, goals and objectives of the discussion, the scope of the discussion, the discussion method of High Rise Apartment Tower in Semarang as an introduction to this project are also paired with aspects of building conservation.

1.5.2 CHAPTER II. Project Review

Contains an overview and specific apartments, As in this chapter will also discuss the conclusions, limitations, and assumptions.

1.5.3 CHAPTER III. Architectural Program Approach Analysis.

Architectural approaches analysis contains of the activities study (grouping, categorization, actor, pattern of activity- nature of activities); facilities study (needs-scale space -indoor/outdoor); specific space study ;study of the needs of area / scale of buildings and land; study of architectural imagery .

Building systems approach analysis contain about studying the structure & enclosure systems, utility systems studies, and study the utilization of technology used in buildings that revitalized and show existing conditions.

1.5.4 CHAPTER IV. Architectural Program

Contains the concept / foundation courses covering aspects of the image, architectural performance, functions aspects, technology aspects, design purposes, the design factor, design requirements factor. Architecture program in the form of program activities, the system structure, system utilities that are recommended for the revitalization and a new function building.

1.5.5 CHAPTER V. Theory Study

The review includes an emphasis of this theory and design of the dominant issues in this discussion. Contains a design emphasis on theory, empirical studies and its application to the project. It also contains the description of the dominant issues raised that associated with problems of technology-environment-culture / behavior.

